

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

(For all sources except PSD and true minor sources)

Completed by:

GENERAL INFORMATION:

Name:	Publishers Printing Company
Address:	100 Frank E. Simon Avenue, Shepherdsville
Date application received:	December 9, 1997
SIC/Source description:	2721/Offset Lithographic Paper Printing Plant
AFS(10-digit) Plant ID:	21-029-00019
EIS #:	104-0440-0019
Application log number:	F439
Permit number:	V-99-063

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input checked="" type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input checked="" type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(2)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☒ Area is non-attainment (list pollutants): ozone

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM	0.785	0.785
SO ₂	0.065	0.065
NO _x	8.904	8.904
CO	9.145	9.145
VOC	174.239	174.239
LEAD	0.000	0.000
HAPs >10 single or 25 combination	None	None

SOURCE PROCESS DESCRIPTION:

Publishers Printing Company is an offset lithographic paper printing plant which prints magazines. Printing takes place on ten offset lithographic presses each with a natural gas fired dryer. All of the presses are control by condenser/filters. Insignificant activities consist of a waste paper cyclone which exhaust inside the building, small hot melt gluers, ink jet printing and head cleaning, two magazine glueing machines, a cooling tower, non process space and water heaters, a bindery parts cleaner, chillers, a bucket cleaner used to clean plastic buckets, and a cold solvent cleaner used for cleaning parts of the presses for maintenance.

EMISSION AND OPERATING CAPS DESCRIPTION:

Publishers Printing Company is located in a non-attainment area for ozone. The source is subject to 401 KAR 50:012, General application, which requires RACT for VOC. The determination was made based on existing controls at the company, the draft CTG for offset lithographic presses, and other similar state regulations. RACT was determined to be 65% overall efficiency for each offset lithographic press.

Also, VOC emissions from Press 442 are required to be less than 40 tons/yr. This requirement is in place to preclude 401 KAR 51:052, Review of new sources in or impacting upon nonattainment areas. These requirements are in place to preclude non-attainment review and as a result of the type of construction permit the company requested.

The cold solvent cleaner is subject to 401 KAR 59:185, but is exempt from the standard under Section 8.